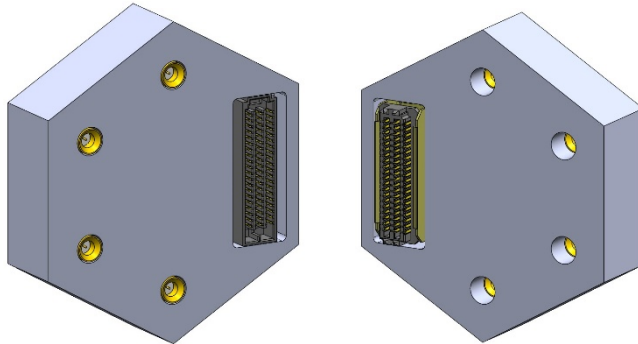


Block Diagram



Features

- 2-18GHz Dual Up/DWN Converter
- Support 2x2 MIMO transceiver
- Designed for Fast Frequency Hopping
- On board ultra-stable Synthesizer

Description

AS-00117-A is a state of the art dual (2xRX, 2xTX) frequency converter covering 2-18GHz.

The AS-00117-A is equipped with two ultra-stable Synthesizer which can support the most demanding applications. The AS-00117-A support frequency hopping applications both in RX and TX.

The AS-00117-A is equipped with a preselector tunable filter both in the RX and TX paths for an enhanced interference resilience in RX and extra cleanness in TX.

Module Specifications

| Parameter | Typ. | Unit |
|-------------------------------|----------------------------|-------------|
| RF Operating Frequencies | 2 ÷ 18 | GHz |
| MIMO Support | 2 RX x 2 TX | |
| RF I/O Interfaces | 8 x SMP | |
| Data / Power Input Interface | SAMTEC SEAM 120pin | |
| Data / Power Output Interface | SAMTEC SEAF 120pin | |
| Synthesizer | Dual, Internal | |
| Dimensions | 7 x 7 x 1,5 (L x W x H) | cm |